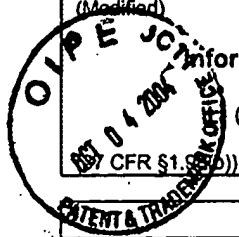


Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-296001	Application No. 09/708,230
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.608(b))		Applicant Adam T. Lake et al.	
		Filing Date November 7, 2000	Group Art Unit 2676

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
P.W.C.	AA	5,809,219	09-1998	Pearce et al.			
	AB	5,933,148	08-1999	Oka et al.			
	AC	5,974,423	10-1999	Margolin			
	AD	6,078,331	06-2000	Pulli et al.			
	AE	6,191,787	02-2001	Lu et al.			
	AF						
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	AK						

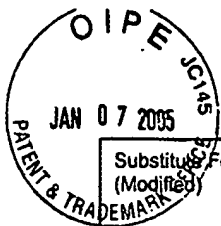
**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AQ	
	AR	
	AS	
	AT	

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Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
10559-296001Application No.  
09/708,230**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant  
Adam T. Lake et al.Filing Date  
November 7, 2000Group Art Unit  
2676**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
P.W.C.	AA	4,600,919	07-1986	Stern			
	AB	4,747,052	05-1988	Hishinuma et al.			
	AC	4,835,712	05-1989	Drebin et al.			
	AD	4,855,934	08-1989	Robinson			
	AE	4,901,064	02-1990	Deering			
	AF	5,124,914	06-1992	Grangeat			
	AG	5,163,126	11-1992	Einkauf et al.			
	AH	5,371,778	12-1994	Yanof et al.			
	AI	5,611,030	03-1997	Stokes			
	AJ	5,731,819	03-1998	Gagne et al.			
	AK	5,757,321	05-1998	Billyard			
	AL	5,786,822	07-1998	Sakaibara			
	AM	5,805,782	09-1998	Foran			
	AN	5,809,219	09-1998	Pearce et al.			
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	AP	5,847,712	12-1998	Salesin et al.			
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	AS	5,933,148	08-1999	Oka et al.			
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	AV	5,966,134	10-1999	Arias			
	AW	5,974,423	10-1999	Margolin			
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	AY	6,057,859	05-2000	Handelman et al.			
	AZ	6,078,331	06-2000	Pulli et al.			
	AAA	6,115,050	09-2000	Landau et al.			

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
PWC	ABB	6,175,655	01-2001	George et al.			
	ACC	6,191,787	02-2001	Lu et al.			
	ADD	6,191,796	02-2001	Tarr			
	AEE	6,198,486	03-2001	Junkins et al.			
	AFF	6,201,549	05-2001	Bronskill			
	AGG	6,208,347	03-2001	Migdal et al.			
	AHH	6,219,070	04-2001	Baker et al.			
	AII	6,239,808	05-2001	Kirk et al.			
	AJJ	6,252,608	06-2001	Snyder et al.			
	AKK	6,262,737	07-2001	Li et al.			
	ALL	6,262,739	07-2001	Migdal et al.			
	AMM	6,292,192	09-2001	Moreton			
	ANN	6,317,125	11-2001	Persson			
	AOO	6,337,880	01-2002	Cornog et al.			
	APP	6,388,670	05-2002	Naka et al.			
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	ARR	6,437,782	08-2002	Pieragostini et al.			
	ASS	6,478,680	11-2002	Yoshioka et al.			
	ATT	6,559,848	05-2003	O'Rourke			
	AUU	6,593,924	07-2003	Lake et al.			
	AVV	6,593,927	07-2003	Horowitz et al.			
	AWW	6,608,627	08-2003	Marshall et al.			
	AXX	6,608,628	08-2003	Ross et al.			
	AYY	2001/0026278	10-2001	Arai et al.			
	AZZ	2002/0101421	08-2002	Pallister			

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner	Desig.	Document	Publication	Country or	Class	Subclass	Translation
Examiner Signature <i>Bell</i>				Date Considered 7-26-05			
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							<input checked="" type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	AAAA							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
<i>pm</i>	ABBB ✓	Alliez et al., "Progressive Compression for Lossless Transmission of Triangle Meshes," <u>ACM SIGGRAPH</u> 2001, pgs. 195 - 202 (2001).
	ACCC ✓	Appel, Arthur, "The Notion of Quantitative Invisibility and the Machine Rendering of Solids." Proceedings of 22nd National Conference Association for Computing Machinery 1967.
	ADDD ✓	Bajaj et al., "Progressive Compression and Transmission of Arbitrary Triangular Meshes," <u>IEEE</u> , pgs. 307 - 316 (1999).
	AEEE ✓	Buck et al., "Performance-Driven Hand Drawn Animation", <u>ACM</u> (NPAR2000), pgs. 101 - 108 (2000).
	AFFF ✓	Catmull et al., "Recursively Generated B-Spline Surfaces on Arbitrary Topological Meshes," <u>Computer Aided Design</u> , 10(6):350 - 355 (1978).
	AGGG ✓	Chow, M., "Optimized Geometry Compression for Real-time Rendering," <u>IEEE</u> , pgs. 347-354 (1997).
	AHHH ✓	Coelho et al., "An Algorithm for Intersecting and Trimming Parametric Meshes", <u>ACM SIGGRAPH</u> , pgs. 1 - 8 (1998).
	AIHH ✓	Cohen-Or, D. et al., "Progressive Compression of Arbitrary Triangular Meshes," <u>IEEE Visualization 99 Conference Proc.</u> , pgs. 67 - 72 (1999).
	AJJJ ✓	Deering, M., "Geometry Compression," <u>Computer Graphics. SIGGRAPH '95</u> , pages 13-20, 1995.
	AKKK ✓	DeRose et al., "Subdivisional Surfaces in Character Animation", <u>ACM, SIGGRAPH'98</u> , pgs. 85 - 94 (1998).
	ALLL ✓	Dyn, N. et al., "A Butterfly Subdivision Scheme for Surface Interpolation with Tension Control," <u>ACM Transactions on Graphics</u> , 9(2):160 - 169 (1990).
	AMMM ✓	Elber, Gershon, "Line Art Rendering via a Coverage of Isoperimetric Curves," <u>IEEE Transactions on Visualization and Computer Graphics</u> , 1(3):231 - 239 (1995).
	ANNN ✓	Elber, Gershon, "Interactive Line Art Rendering of Freeform Surfaces", <u>Eurographics'99</u> , 18(3):C1 - C12 (1999).
	AOOO ✓	Gooch et al., "A Non-Photorealistic Lighting Model for Automatic Technical Illustration," <u>Computer Graphics Proceedings, Annual Conference Series, SIGGRAPH'98</u> , pgs. 447-452 (1998).
✓	APPP ✓	Gooch et al., "Interactive Technical Illustration," <u>ACM Interactive 3D</u> , pgs. 31 - 38 (1999).

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(37 CFR §1.98(b))			

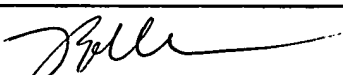
Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
PWC	AQQQ	Heidrich et al., "Realistic, Hardware-Accelerated Shading and Lighting," <u>ACM</u> , (SIGGRAPH'99), pgs. 171 - 178 (1999).
	ARRR	Hoppe, H., "Progressive Meshes," URL: <a href="http://www.research.microsoft.com/research/graphics/hoppe/">http://www.research.microsoft.com/research/graphics/hoppe/</a> , (10 pgs.).
	ASSS	Hoppe, H., "Efficient Implementation of Progressive Meshes," <u>Comput. &amp; Graphics</u> , 22(1), pgs. 27 - 36 (1998).
	ATTT	Hoppe, H., "View-Dependent Refinement of Progressive Meshes", URL: <a href="http://www.research.microsoft.com/~hoppe/">http://www.research.microsoft.com/~hoppe/</a> (10 pgs.).
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	AVVV	Lake et al., "Stylized Rendering Techniques for Scalable Real-Time 3D Animation", <u>NPAR</u> , pgs. 101 - 108 (2000).
	AWWW	Lander, Jeff, "Making Kine More Flexible," <u>Game Developer Magazine</u> , 5 pgs., November 1998.
	AXXX	Lander, Jeff, "Skin Them Bones," <u>Game Developer Magazine</u> , 4 pgs., May 1998.
	AYYY	Lansdown et al., "Expressive Rendering: A Review of Nonphotorealistic Techniques," <u>IEEE Computer Graphics &amp; Applications</u> , pgs. 29-37 (1995).
	AZZZ	Lasseter, J. et al., "Principles of Traditional Animation Applied to 3D Computer Animation," <u>ACM</u> , pgs. 35 - 44 (1987).
	AAAAA	Lee, M. et al., "Navigating Through Triangle Meshes Implemented as Linear Quadtrees," <u>ACM Transactions on Graphics</u> , 19(2):79 - 121 (2000).
	ABBBB	Lewis, J. P. et al., "Pose Space Deformation: A Unified Approach to Shape Interpolation and Skeleton-Driven Deformation," <u>ACM</u> , (SIGGRAPH 2000), pgs. 165 - 172 (2000).
	ACCCC	Ma et al., "Extracting Feature Lines for 3D Unstructured Grids," <u>IEEE</u> , pgs. 285 - 292 (1997).
	ADDDD	Markosian, L. et al., "Real-Time Nonphotorealistic Rendering," <u>SIGGRAPH'97</u> , 6 pgs. (1997).
	AEEEE	Pajarola et al., "Compressed Progressive Meshes" <u>IEEE Transactions on Visualization and Computer Graphics</u> , 6(1):79 - 93 (2000).
	AFFFF	Pedersen, "A Framework for Interactive Texturing on Curved Surfaces", <u>ACM</u> , pgs. 295 - 301 (1996).
	AGGGG	"pmG Introduces Messiah: Animate 3.0", URL: <a href="http://www.digitalproducer.com/aHTML/Articles/july_2000/july_17_00/pmg_intros_messiah_animate.htm">http://www.digitalproducer.com/aHTML/Articles/july_2000/july_17_00/pmg_intros_messiah_animate.htm</a> (Accessed 10/26/2004) 2 pgs.

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Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
PWC	AHHHH ✓	Popovic et al., "Progressive Simplicial Complexes" Microsoft Research, <a href="http://www.research.microsoft.com/~hoppe/">http://www.research.microsoft.com/~hoppe/</a>
	AJJJ ✓	Pueyo, X. et al., "Rendering Techniques '96," Proc. of Eurographics Rendering Workshop 1996, EUROGRAPHICS, p[gs. 61 - 70 (1996).
	AJJJ ✓	Raskar, R. et al., "Image Precision Silhouette Edges," Symposium on Interactive 3D Graphics, ACM, pgs. 135-231 (1999)
↓	AKKKK ✓	Rockwood, A. et al., "Real-time Rendering of Trimmmed Surfaces," Computer Graphics (SIGGRAPH '89 Proceedings) 23:107 - 116 (1989).
	ALLLL ✓	Samet, Hanan, "Applications of Spatial Data Structures: Computer Graphics, Image Processing, and GIS," University of Maryland, Addison-Wesley Publishing Company, 1060-1064, Reading, MA, June 1990 <i>Pages provided do not contain</i>
PWC	AMMMM ✓	Sousa, M., et al., "Computer-Generated Graphite Pencil Rendering of 3-D Polygonal Models", Eurographics'99, 18(3):C195 - C207 (1999).
	ANNNN ✓	Stam, J., "Exact Evaluation of Catmull-Clark Subdivision Surfaces at Arbitrary Parameter Values", SIGGRAPH 98 Conference Proceedings, Annual Conference Series, pgs. 395-404 (1998).
	AQOOO ✓	Taubin et al., "3D Geometry Compression", SIGGRAPH'98 Course Notes (1998).
	APPPP ✓	Taubin et al., "Progressive Forest Spilt Compression," IBM T.J. Watson Research Center, 9 pgs. (1998).
	AQQQQ ✓	Thomas (Contributor) et al., "The Illusion of Life: Disney Animation" 47-51
	ARRRR ✓	Wilhelms, J. & Van Gelder, A., "Anatomically Based Modeling," Univ. California Santa Cruz [online], 1997 [retrieved 12/22/2004], retrieved from the Internet: <URL: <a href="http://graphics.stanford.edu/courses/cs448-01-spring/papers/wilhelms.pdf">http://graphics.stanford.edu/courses/cs448-01-spring/papers/wilhelms.pdf</a> >.
	ASSSS ✓	Zelevnik et al., "SKETCH: An Interface for Sketching 3D Scenes" Brown University site of the NSF Science and Technology Center for Computer Graphics and Scientific Visualization, 1996
↓	ATTTT ✓	Zorin "Interpolation Subdivision for Meshes With Arbitrary Topology" Department of Computer Science, California Institute of Technology, Pasadena, CA

Text of the  
article.

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